

SEQUENCE LISTING

<110> Kazunari TAIRA

Masashi WARASHINA

Tomoko WARASHINA

<120> Nucleic acid enzymes acquiring an activity for cleaving a
target RNA by recognizing another molecule

<130>

<140>

<141>

<150> JP 2000-313320

<151> 2000-10-13

<160> 17

<170> PatentIn Ver. 2.0

<210> 1

<211> 32

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: maxizyme-constituting RNA mole

cule

<400> 1

gguccuggcc ugaugagagu gaugagcucu uc 32

<210> 2

<211> 27

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: maxizyme-constituting RNA molecule

<400> 2

gucugacugu ucaucgaaac cgggucc 27

<210> 3

<211> 33

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: maxizyme-constituting RNA molecule

<400> 3

gguccuggcc ugaugagagu uauugauggu cag 33

<210> 4

<211> 29

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: maxizyme-constituting RNA molecule

<400> 4

gaaggggcuuc uuucaucgaa accggggucc

29

<210> 5

<211> 88

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: tRNA^{ser} promoter sequence

<400> 5

accguugguu uccguagugu agugguuuau acguucgccu aacacgcgan aggucccccgg 60

uucgaaaccg ggcacuacaa aaaccaac

88

<210> 6

<211> 33

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: ribozyme

<220>

<223> n is a, c, g or u.

<400> 6

nnnnncugau gaggccgaaa ggccgaaann nnn

33

<210> 7

<211> 24

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: left side sequence
of maxizyme

<400> 7

cgaugaccug augagcgaaa cggc

24

<210> 8

<211> 24

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: right side sequence
of maxizyme

<400> 8

CGGGGCGGau gagCGaaacg uucc

24

<210> 9

<211> 13

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: substrate

<400> 9

gccgucguca ucg

13

<210> 10

<211> 11

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: substrate

<400> 10

gccguccccc g

11

<210> 11

<211> 15

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: substrate

<400> 11

ggaacgucgu cgucg

15

<210> 12

<211> 40

<212> RNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: wild type ribozyme

<400> 12

gguccuggcc ugaugaggcc gaaaggccga aaccgggucc

40

<210> 13

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: part of bcl-2 mRNA as
a substrate

<400> 13

ggacccgguc gccaggacc

19

<210> 14

<211> 25

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: part of HIV tat mRNA

<400> 14

gaagagcuca ucagaacagu cagac

25

<210> 15

<211> 28

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: part of BCR-ABL mRNA

<400> 15

cugaccauca auaaggaaga agcccuuc

28

<210> 16

<211> 20

<212> RNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: part of normal ABL mRNA

<400> 16

uuauucggaa gaagcccuuc

20

<210> 17

<211> 138

<212> RNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: tRNA^{Val} T-MzL

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uucgaaaccg ggcacuaaaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg 120
uaccccggau aucuuuuu 138